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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/038,459	01/07/2002	Yi-Chi Shih		8376

7590 11/10/2003
Dr. Yi-Chi Shih
2220 Thorley Place
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EXAMINER

LEE, BENNY T

ART UNIT PAPER NUMBER

2817

DATE MAILED: 11/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER	
ART UNIT	PAPER NUMBER

DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

☐ This application has been examined ☒ Responsive to communication filed on 18 Aug 2003 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Two (2) month(s), _____ days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948. |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449 | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474 | 6. <input type="checkbox"/> _____ |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-6, 8-10 are pending in the application.
Of the above, claims _____ are withdrawn from consideration.
2. ☐ Claims _____ have been cancelled.
3. ☒ Claims 1-6, 8-10 are allowed.
4. ☐ Claims _____ are rejected.
5. ☐ Claims _____ are objected to.
6. ☐ Claims _____ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.
8. ☐ Allowable subject matter having been indicated, formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on _____. These drawings are ☐ acceptable;
☐ not acceptable (see explanation).
10. ☒ The ☐ proposed drawing correction and/or the ☒ proposed additional or substitute sheet(s) of drawings, filed on 18 Aug 2003
has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed _____, has been ☐ approved. ☐ disapproved (see explanation). However,
the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are
corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO
EFFECT DRAWING CHANGES", PTO-1474.
12. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received
☐ been filed in parent application, serial no. _____; filed on _____.
13. ☒ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in
accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

SN 38459

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This application is in condition for allowance except for the following formal matters:

In the Specification:

The disclosure is objected to because of the following informalities: In the replacement paragraph to page 8, paragraph 2, note that it is unclear if added reference label "39" is appropriate to designate "signals". In the replacement paragraph bridging pages 10 & 11, note that --as shown in Fig. 3(c)-- should follow "(56)", --adapter-- should precede "(51)" & "(51'" at each appropriate occurrence and --as shown in Fig. 3(a)-- should follow "conductive housing" for clarity of description. In the replacement paragraph bridging pages 14 & 15, note that --4-- should precede "(d)" for clarity of description. Appropriate correction is required.

The disclosure is objected to because of the following informalities: Note that the following reference labels need explicit description relative to the corresponding drawing figures: Fig. 1(b) (48, E-field); fig. 1(c), (15, 16, 30); Fig. 3(a), (E-field); fig. 4(d), (40). Moreover, at pages 11-13, regarding the description of Figs. 3(b), 3(c), 3(d), 3(e), note that the reference labels therein need to be explicitly described relative to the drawing figure(s) in which they actually appear for consistency of description. Appropriate correction is required.

In the Drawings:

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the universal launching adapter (e.g. 51, 51') being mounted to the major wall of the housing such that the L-shape probe is at a central region (e.g. cl 1) must be shown or the feature(s) canceled from the claim(s). No new

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matter should be entered. It should be noted that what the examiner is seeking from this drawing objection is the placement of the adapter of figs. 3(b) or 3(d) and the waveguide of fig. 3(c) arranged relative to the L-shape probe in Fig. 3(a). Such a depiction may be made by phantom views of the adapter and waveguide or exploded views of the adapter and waveguide in fig. 3(a)

The drawings are objected to under 37 CAR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the platform for mounting the MMIC & control components in a reference plane parallel to the broad wall as recited in claim 1 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

In the Claims:

The following claims have been found objectionable for reasons set forth below:

In claim 1, second paragraph, note that "wall each" should be rephrased as --wall, each feedthrough-- for a proper characterization; third paragraph, note that --at least one-- should precede "feedthrough" for consistency of description. Fourth paragraph, note that the bracketed wording is not appropriate to designate deleted words. Clarification is needed.

In claim 8, line 2, note that "n" should be deleted.

In the Abstract:

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The abstract of the disclosure is objected to because the proposed abstract is not in the form of a single sheet which can be insertable in the current application. Moreover, the underlined version of the proposed abstract is inappropriate. A clean copy of the abstract on a single insertable sheet should be provided. Correction is required. See MPEP § 608.01(b).

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Claims 1-6, 8-10 are allowable over the prior art of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is (703) 308 4902.

A handwritten signature in cursive script that reads "Benny Lee".

BENNY T. LEE
PRIMARY EXAMINER
ART UNIT 2817

B. Lee

November 5, 2003